

ENERGY ABSORBING IMPACT DEFLECTOR FOR USE
IN VEHICLE DOORS

ABSTRACT

A door assembly includes a door frame having an outer door panel. A trim pad, having an inboard surface, is fixedly secured to the door frame. The trim pad defines an interior space between the trim pad and the outer door panel. An intermediate barrier is fixedly secured to the door frame between the outer door panel and the trim pad. The intermediate barrier has at least one side impact portion and a water-impervious outboard surface defining a periphery thereabout.